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(54) SUSTAINED RELEASE MATERIAL FOR DRUG

(57)Abstract:

PURPOSE: To obtain a sustained release material for a drug capable of effectively sustaining effects of the drug on localized affected parts for a long period, by adsorbing the drug on a porous substance having biocompatibility.

CONSTITUTION: The aimed sustained release material for a drug, obtained by sterilizing a porous substance having biocompatibility, e.g. hydroxycalcium apatite, as an inorganic substance, 2-hydroxyethyl methacrylate or PVA as an organic substance or chitin, chitosan or collagen as a natural high polymer, dipping the sterilized porous substance in a solution of the drug dispersed in a solvent, decompressing the porous substance to remove air in pores of the porous substance, permeating the drug into all the pores and adsorbing the drug on the surface thereof. The above-mentioned sustained release material is embedded in a body to directly contact affected parts of the vicinity thereof and impart the drug effects of sustained release to affected parts.

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